PATENT COOPERATION TREATY

From the INTERNATIONAL SE	ARCHING AUTH	ORITY					
To: SANFORD T. COLB SANFORD T. COLB & CO. P.O. BOX 2273			PCT				
REHOVOT, ISRAEI	REHOVOT, ISRAEL 76122		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
			(PCT Rule 43 <i>bis</i> .1)				
			Date of mailing (day/month/year) 16 FFR 2007				
Applicant's or agent's file reference			FOR FURTHER ACTION See paragraph 2 below				
51617		1					
International applicati	on No.	International filing date		Priority date (day/month/year)			
PCT/IL05/00256	lessification (IDC)	03 March 2005 (03.03.20					
İ	• •	or both national classificati	ion and IPC	-			
USPC: 370/338,349	,2007.01),7/ 22 (20),466;455/432.3,43	07.01),7/24(2007.01) 3;709/249					
Applicant		•					
OUTSMART LTD.							
1. This opinion cont	ains indications rel	ating to the following item	s:				
Box No. I	Basis of the	opinion					
Box No. I	l Priority						
Box No. II	II Non-establi	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. I	V Lack of uni	Lack of unity of invention					
Box No. V			3bis.1(a)(i) with regard to novelty, inventive step or industrial nations supporting such statement				
Box No. V	I Certain doc	uments cited					
Box No. V	II Certain defe	ects in the international app	lication				
Box No. V	III Certain obs	ervations on the internation	onal application				
2. FURTHER AC	TION						
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("PEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
IPEA a written report of Form PCT/ISA	oly together, where	appropriate, with amendn xpiration of 22 months fro	nents, before the ex	PEA, the applicant is invited to submit to the spiration of 3 months from the date of mailing whichever expires later.			
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3. For further details,	see notes to Form	PCT/ISA/220.					
Name and mailing add	ress of the ISA/IIS	Date of complete	on of this opinion	Authorized officer			
Mail Stop PCT	, Attn: ISA/US		•	Authorized officer Patrice Winder Mulitle R. Sin			
Commissioner for Patents P.O. Box 1450		03 November 20	06 (03.11.2006)	raunce winder			
Alexandria, Virginia 22313-1450				Telephone No. 703-305-3900			
Facsimile No. (571) 27:	3-3201	1		•			

Form PCT/ISA/237 (cover sheet) (April 2005)

International application No.

PCT/IL05/00256

Box No. I Basis of this opinion								
	•							
1. With	1. With regard to the language, this opinion has been established on the basis of:							
\boxtimes	the international application in the language in which it was filed							
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).							
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:								
a.	type of material							
	a sequence listing							
	table(s) related to the sequence listing							
b.	format of material							
	on paper							
	in electronic form							
c.	time of filing/furnishing							
	contained in the international application as filed.							
	filed together with the international application in electronic form.							
	furnished subsequently to this Authority for the purposes of search.							
	•							
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.							
4. Additi	onal comments:							
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International application No. PCT/IL05/00256

Statement		
Statement		
Novelty (N)	Claims 1-28	YE
	Claims NONE	NC
Inventive step (IS)	Claims NONE	YE
	Claims 1-28	NC
Industrial applicability (IA)	Claims 1-28	YE
	Claims NONE	NC
Citations and explanations:	and thus assurates industrial analisability because	an the subject metter elejmed as
and or used in industry.), and thus promotes industrial applicability becau	se the subject matter claimed ca
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Form PCT/ISA/237 (Box No. V) (April 2005)

International application No. PCT/IL05/00256

Supplemental Box In case the space in any of the preceding bo	xes is not sufficient.			
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V. 2. Citations and Explanations:		** ** **	***	
Claims 1-28 lack an inventive step under PCT referred to as Mukherjee) in view of Wang et	al., USPN 6,603,761 B1 (h	ereafter referred to as W	al., US 2003/0012162 'ang)	Al (hereafter
Regarding claim 1, Mukherjee taught a ommu a packet network interface, for coupling to a p	acket switch in a packet ne	twork (paragraph 30);		
a telephone network interface, for coupling to a convergence processor, coupled between the switching center (MSC) and a visitor location	packet network and teleph	none network interfaces	and adapted to emulate	e a mobile
connect telephone calls, using assigned telephone (paragraph 30). Mukheriee does not specifical	one numbers, between tele ly teach assigning telephor	phones in the circuit swi ne numbers in the circuit	tched network and the -switched telephone no	user terminals etwork to user
terminals. However, Wang taught assigning te lines 12-19). The motivation to combine Mukl	lephone numbers in the cir nerice and Wang would ha	cuit-switched telephone ve been to provide call f	network to user terming for roaming	nals (column 6, ; callers.
Regarding dependent claim 2, Mukherjee taug telephone network comprises a cellular teleph Regarding dependent claim 3, Wang taught th	one network (paragraph 24).		
to a given user terminal in the packet network, lines 65-66), and the second telephone number	wherein the first telephone	e number belongs to the	ceilular telephone netv	work (column 3,
Regarding dependent claim 4, Wang taught the having a first country code, while the user term	e convergence processor is	adapted to assign to the	user terminals telepho	ne numbers
20; column 6, lines 12-19). Regarding dependent claim 5, Wang the packet	t network interface compri	-		
Network Address Translation (NAT) (column Regarding dependent claim 6, Mukherjee taug	ht the telephone network is	nterface comprises a med	lia gateway (paragraph	1 23).
Regarding dependent claim 7, Mukherjee taug between the packet network and telephone net convergence processor to the packet network a	work interfaces and the cor	nvergence processor so a	as to convey instruction	ns from the
user terminals (paragraph 28-29).	ara totopitono network inte		D or min in-obsessio out	

Regarding dependent claim 8, Mukherjee taught the softswitch is adapted to communicate with the packet network and telephone network interfaces by transmitting and receiving at least one of H.323 or SIP for telephones (SIP-T) packets (paragraph 35). Substituting SIP for H.323 would been an equivalent substitution because both are signaling protocols for IP networks.

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Supplemental Box

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Regarding dependent claim 9, Mukjherjee taught the convergence processor is adapted to receive registration requests from the user terminals and, in response to the registration requests, to register the user terminals in a home location register (HLR) in the telephone network (paragraph 33).

Regarding dependent claim 10, Mukherjee taught the convergence processor is adapted to communicate with the HLR in order to determine respective service profiles applicable to the user terminals (emulate wireless infrastructure, paragraph 30). Regarding dependent claim 11, Mukherjee taught the convergence processor is adapted, responsively to the service profile, to invoke an Intelligent Network (IN) service in the telephone network that is to be applied to a call (emulate wireless infrastructure, paragraph 30). Regarding dependent claim 12, the convergence processor is adapted to determine the respective service profiles initially upon registration of the user terminals and to update one or more of the service profiles thereafter while the user terminals are in operation. Regarding dependent claim 13, Mukherjee taught the convergence processor is adapted to receive from the packet network interface an indication of a request from one of the user terminals to set up a call, and responsively to the indication, to cause the telephone network interface to route the call to a telephone number in the telephone network in accordance with an applicable service profile (paragraphs 28-29).

Regarding dependent claim 14, Mukherjee taught the convergence processor is adapted to receive a request from the HLR for routing information with respect to a call placed from the telephone network to a telephone number that is assigned to a user terminal having a network address in the packet network and, responsively to the request, to cause the packet network interface to route the call to the network address of the user terminal (paragraphs 28-29).

Regarding dependent claim 15, Mukherjee taught the convergence processor is adapted to communicate with the HLR using a Mobile Application Protocol (MAP) (paragraph 28).

The language of claims 16-28 is substantially the same as claims 1-15. Therefore, claims 1-15 lack an inventive step for substantially the same reasons as claims 1-15, above.